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(71) Applicant: VICTOR CO OF JAPAN LTD
(72) Inventor: UENO SHOJI
FUCHIGAMI NORIHIKO

(54) AUDIO SIGNAL-COMPRESSING/RECORDING
APPARATUS AND AUDIO
SIGNAL-COMPRESSING APPARATUS AND
OPTICAL RECORDING MEDIUM

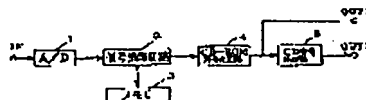
(57) Abstract:

PROBLEM TO BE SOLVED: To realize digital video/audio disks of a master standard by recording data compressed by a data compression means and formatted to be arranged in a user data area of a digital disk in a CD format and lengthening a recording time than a CD-DA.

SOLUTION: Analog signals such as music signals or the like are supplied to an input terminal IN, and an output terminal OUT is connected to a mastering device. An A/D converter 1 of the apparatus connected to the input terminal IN quantizes audio signals with a quantization bit number of 16 bits and a sampling frequency

of 44.1kHz or higher. Although the sampling frequency is either 44.1kHz (48kHz in the case of a DVD) or 88.2kHz (96kHz in the case of the DVD), a higher frequency may be set. When music signals are treated, a right and a left, two channels are arranged. However, four or six channels, etc., may be used if a surrounding effect is required or upon other necessities. The quantized data obtained at the converter 1 are written to a memory 3, for example, every 2^m (m is a positive integer) per one channel via a signal-processing circuit 2. The circuit 2 processes the data.

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